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PTO/SB/21 (08-00)

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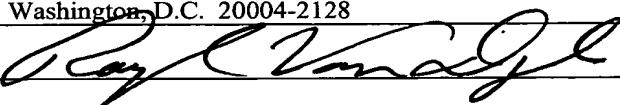
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/686,619
		Filing Date	October 17, 2003
		First Named Inventor	Margot Mary O'TOOLE <i>et al.</i>
		Group Art Unit	1614
		Examiner Name	Theresa Frederick
Total Number of Pages in This Submission	3	Attorney Docket Number	031896-004000 (AM100990)

### ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input checked="" type="checkbox"/> Other Enclosure(s):	<b>PTO Form-1449 citing five (5) references (enclosed) and International Search Report (PCT/US2003/33054) mailed 08/03/04 (enclosed)</b>			
					<input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 (031896-004000) for the above identified docket number.	
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### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Raymond Van Dyke, Reg. No.34,746 Nixon Peabody LLP 409 9 <sup>th</sup> Street, N.W. Suite 900 Washington, D.C. 20004-2128
Signature	
Date	July 8, 2005

### CERTIFICATE OF MAILING

#### CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450
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July 8, 2005  
Date

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Signature



Docket No. 031896-004000 (AM100990)

**N THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re Patent Application of:*

Margot Mary O'TOOLE *et al.*

Examiner: Theresa Frederick

Serial No. 10/686,619

Group Art Unit: 1614

Filed: October 17, 2003

For: COMPOSITIONS AND METHODS FOR DIAGNOSING  
AND TREATING AUTOMIMMUNE DISEASE

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing, which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

By   
Raymond Van Dyke  
Registration No. 34,746

Date: July 8, 2005

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

### Complete if Known

Application Number	10/686,619
Filing Date	October 17, 2003
First Named Inventor	Margot Mary O'TOOLE <i>et al.</i>
Art Unit	1614
Examiner Name	Theresa Frederick
Attorney Docket Number	031896-004000 (AM100990)

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		International Application No. PCT/US2003/33054, International Search Report mailed August 3, 2004, 3 pages	
		ASAII, T. <i>et al.</i> , "Identification of heparin-binding sites in midkine and their role in neurite-promotion," <i>Biochem. Biophys. Res. Commun.</i> , 236(1):66-70 (1997)	
		IWASAKI, W. <i>et al.</i> , "Solution structure of midkine, a new heparin-binding growth factor," <i>EMBO J.</i> , 16(23):6936-6946 (1997)	
		MYERS, E.W. and MILLER, W., Optical alignments in linear space, <i>CABIOS</i> , 4(1):11-17 (1988)	
		MURAMATSU, H. <i>et al.</i> , "Localization of heparin-binding, neurite outgrowth and antigenic regions of midkine molecule," <i>Biochem. Biophys. Res. Commun.</i> , 203(2):1131-1139 (1994)	
		TAKEI, Y. <i>et al.</i> , "5'-,3'-inverted thymidine-modified antisense oligodeoxynucleotide targeting midkine, its design and application for cancer therapy," <i>J. Biol. Chem.</i> , 277(26):23800-23806 (2002)	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.